



RECEIVED TOWN CLERK
GRAFTON, MA

RE: 45 Creeper Hill Road

1 message

2022 MAR 16 PM 12:46

Jeffrey Walsh <JWalsh@gravesengineering.com>
To: Katrina Koshivos <koshivosk@graffon-ma.gov>
Cc: Brian Waller <bwallar@sequellaw.com>

Wed, Mar 16, 2022 at 12:06 PM

Good morning Katrina and Brian,

I reviewed the revised plan for **45 Creeper Hill Road** last revised March 9, 2022. Please know that the concern of a 1H:1V slope that I raised in my February 14, 2022 email has been addressed. More specifically:

1. The plan now proposes 2H:1V vegetated slopes on both sides of the driveway near Creeper Hill Road. At 2H:1V I am no longer concerned about slope stability. One of the slopes does have a four-foot high retaining wall near its bottom; I have no issue with this proposed wall.
2. The plan includes guard rails along the driveway at the top of the 2H:1V slopes.
3. The plan includes a cross section (taken at the culvert) to show the relationship of the slopes to the driveway.
4. A driveway profile was added to the plan. I calculated the driveway grade off Creeper Hill Road to be approximately 8.5%. A vertical curve was provided at the bottom of this grade.

In summary, I have no engineering issues with the driveway layout.

Respectfully submitted,

Jeff

JEFFREY M. WALSH, P.E.

Principal

GRAVES ENGINEERING, INC.

100 GROVE ST | WORCESTER, MA 01605

T 508-856-0321 ext 109 | F 508-856-0357

www.gravesengineering.com

RECEIVED
MAR 16 2022
Zoning Board of Appeals

From: Katrina Koshivos <koshivosk@graffon-ma.gov>
Sent: Monday, March 14, 2022 9:21 AM
To: Jeffrey Walsh <JWalsh@gravesengineering.com>